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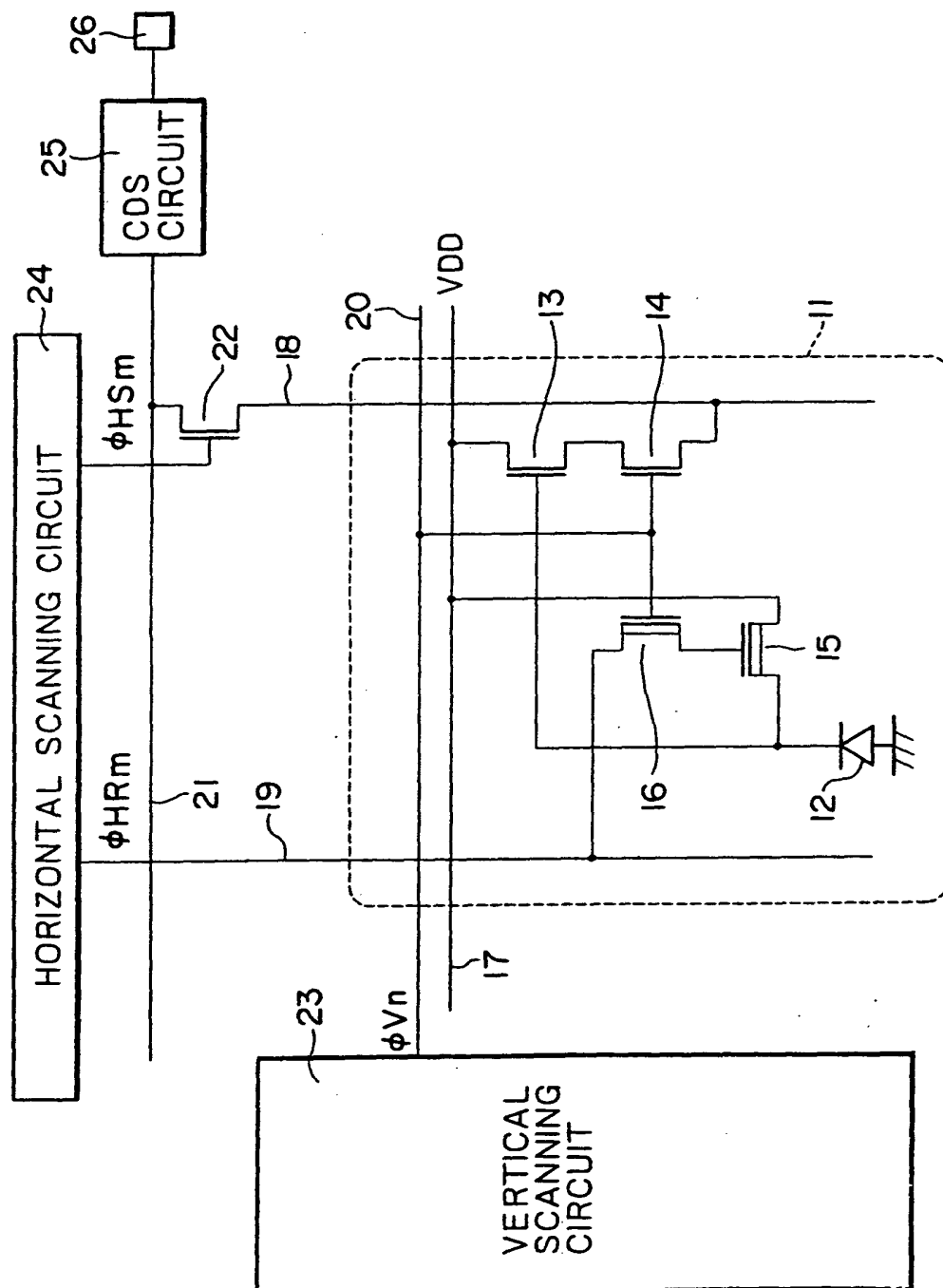


FIG. 2

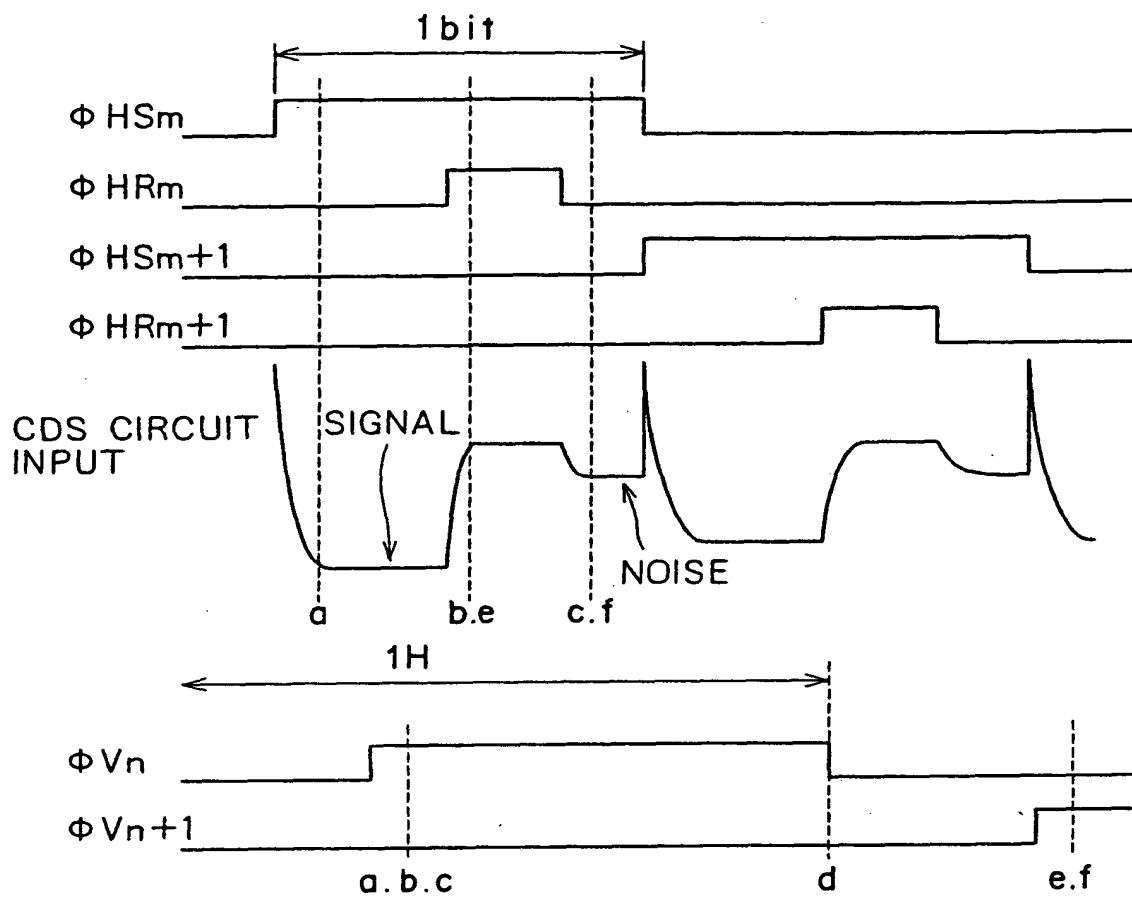


FIG. 3

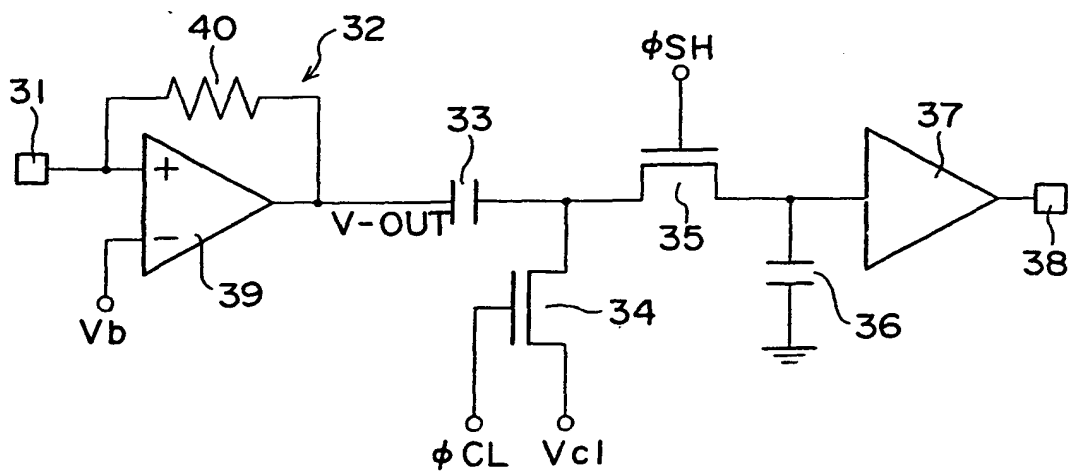


FIG. 4A

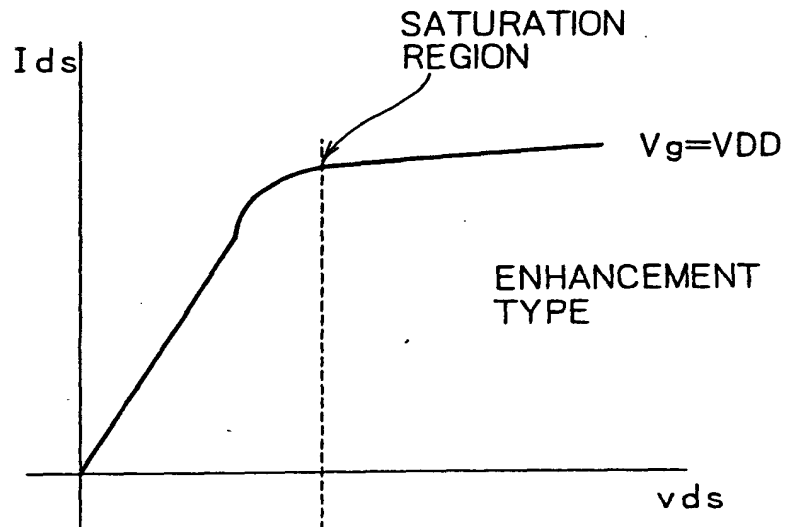


FIG. 4B

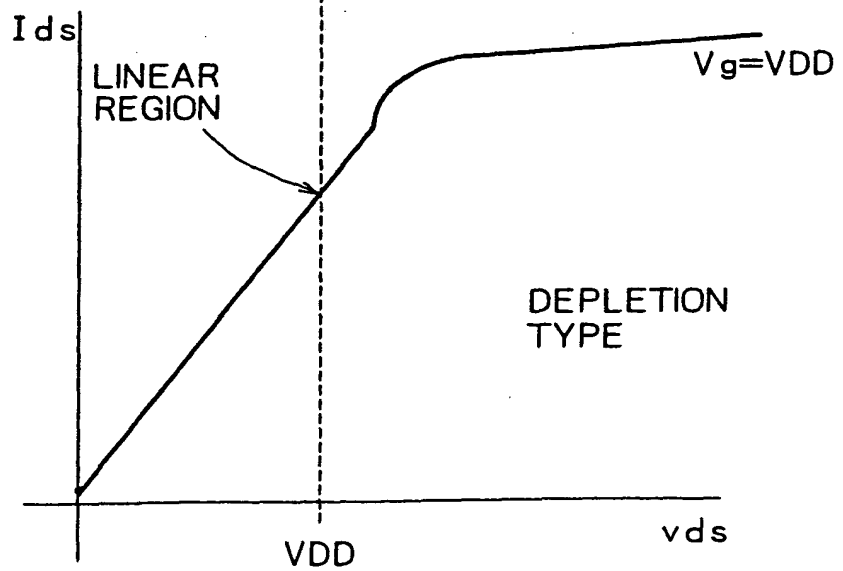
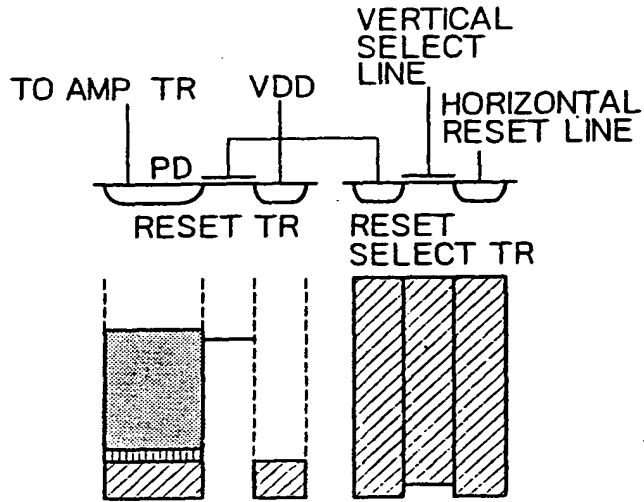
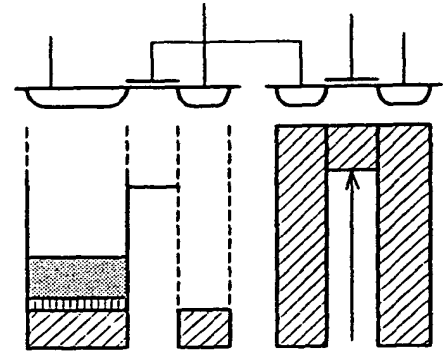


FIG. 5

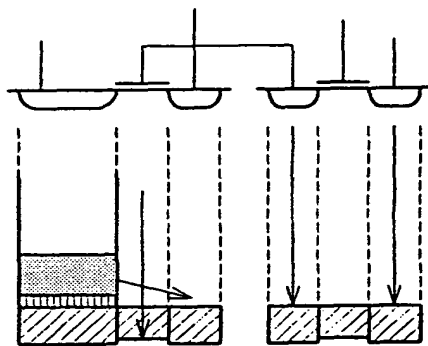
a: SIGNAL READ:
SELECTED PIXEL



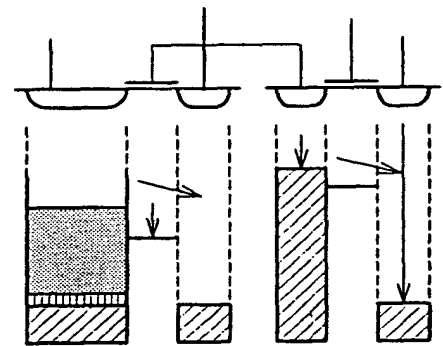
d: STORAGE



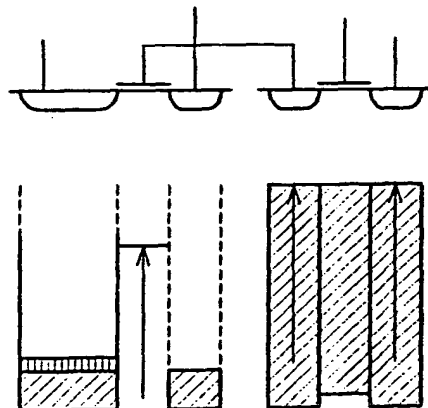
b: PIXEL RESET:
SELECTED PIXEL



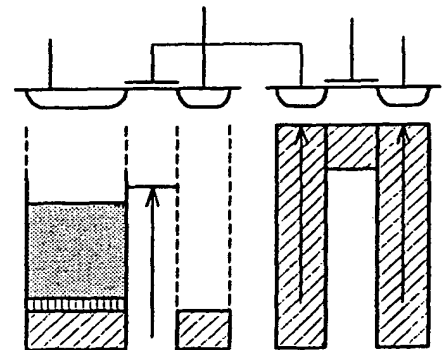
e: PIXEL RESET:
NONSELECTED PIXEL



c: NOISE LEVEL READ:
SELECTED PIXEL



f: NOISE LEVEL READ:
NONSELECTED PIXEL






-  DRAIN LEVEL
-  SIGNAL CHARGE
-  RESET GATE FEEDTHROUGH

FIG. 6

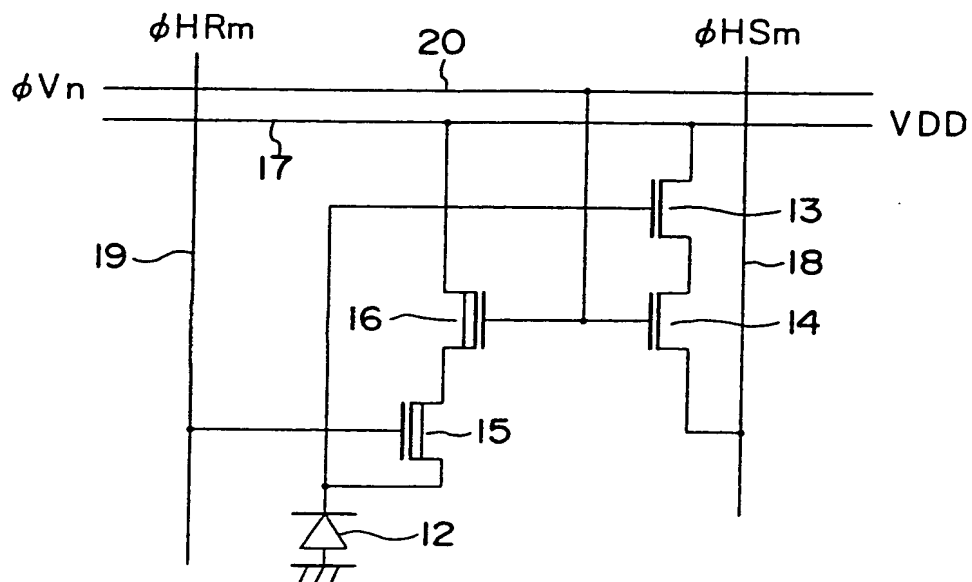


FIG. 7

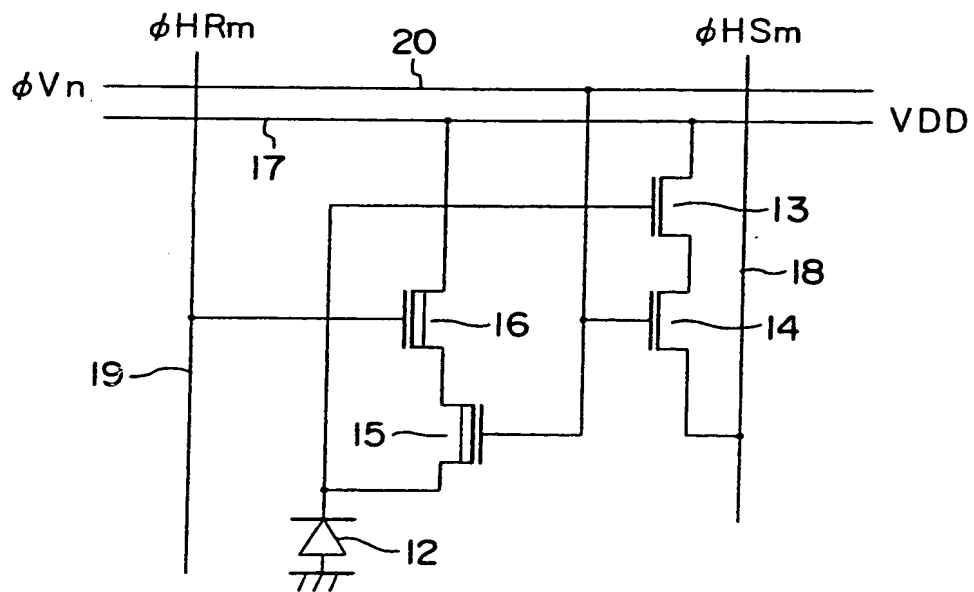


FIG. 8

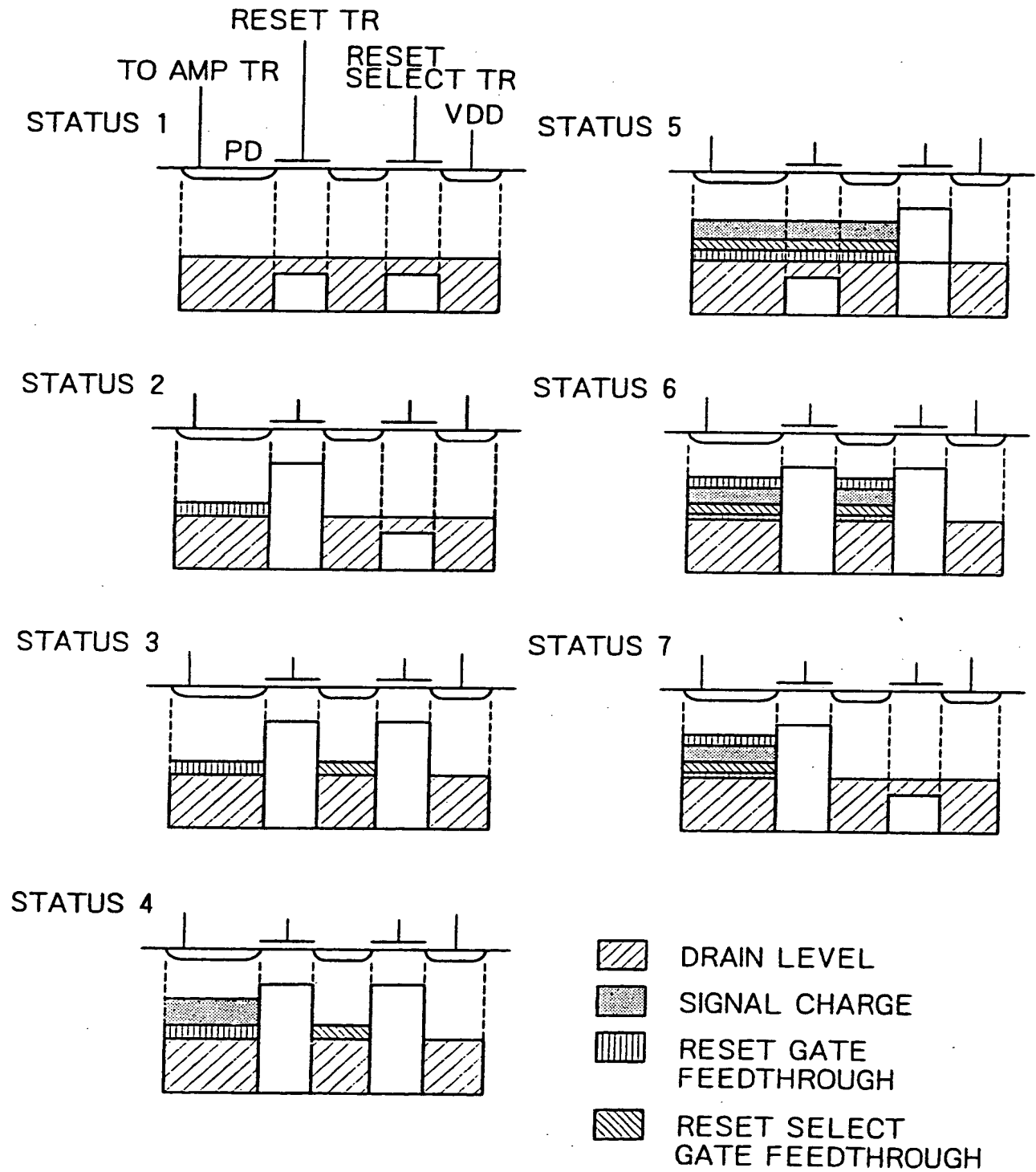


FIG. 9

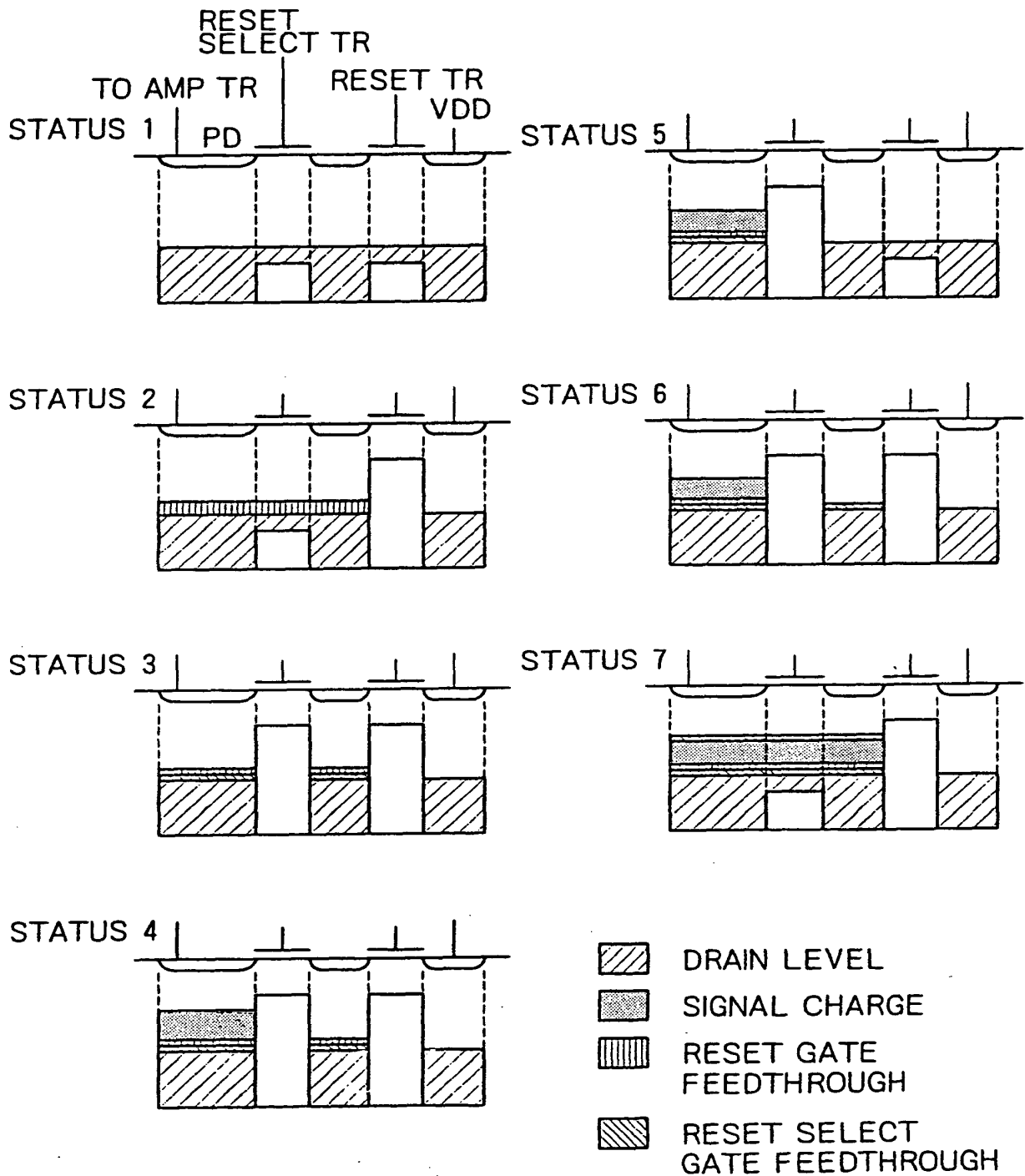


FIG. 10

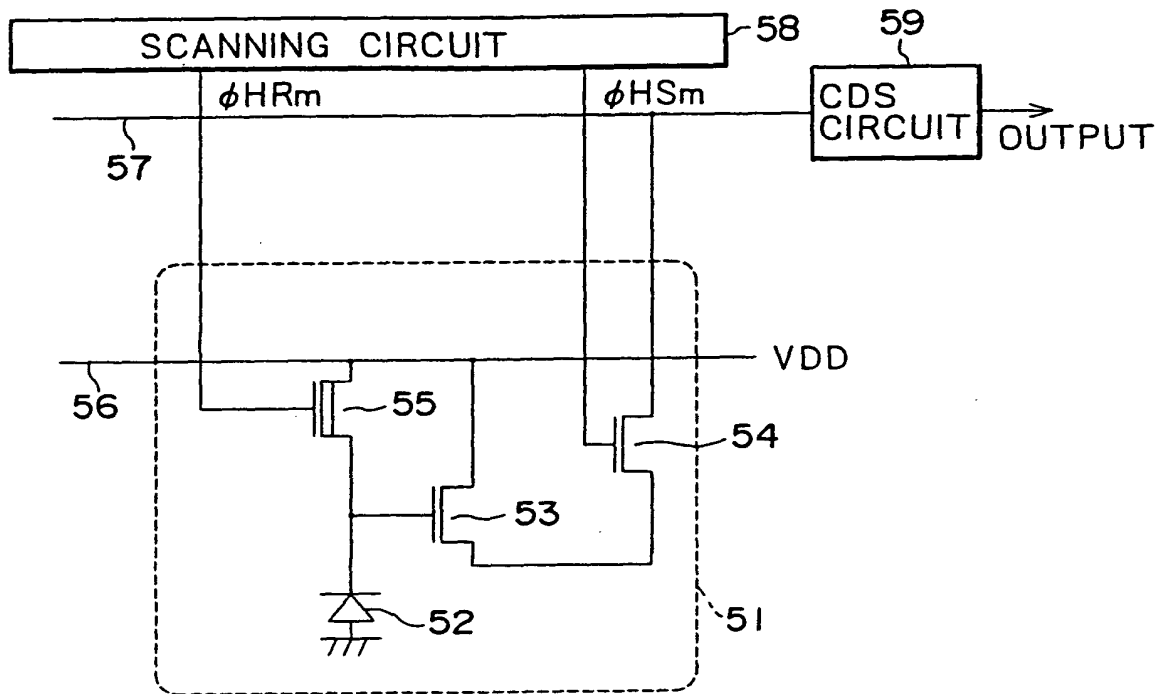


FIG. 11

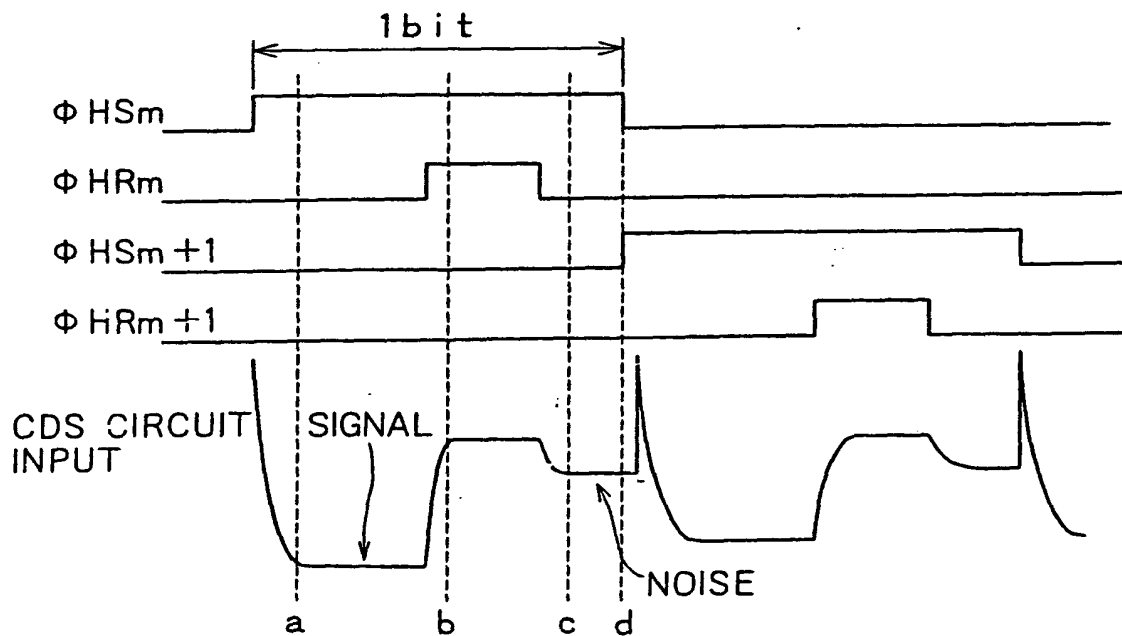
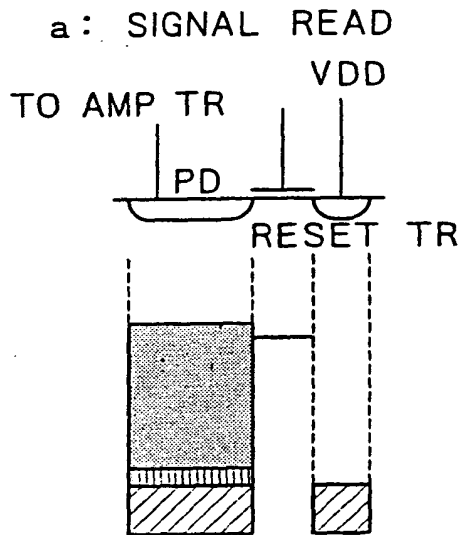
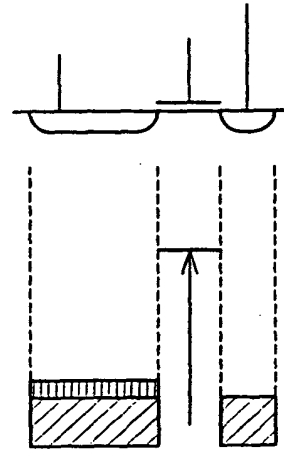


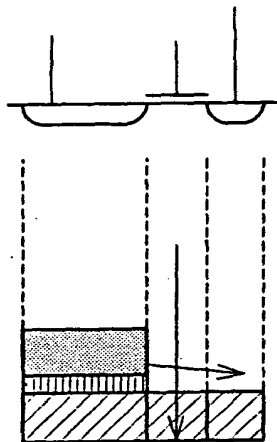
FIG. 12



c: NOISE LEVEL READ



b: PIXEL RESET



d: STORAGE

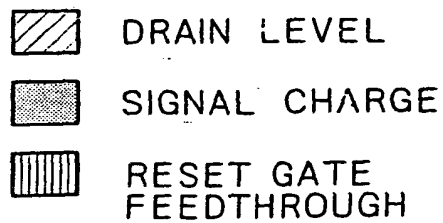
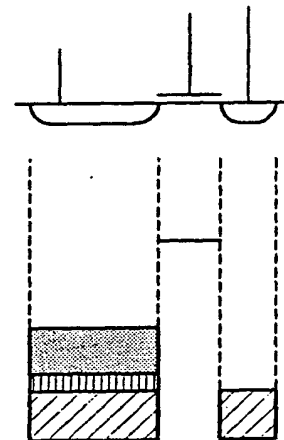


FIG. 13

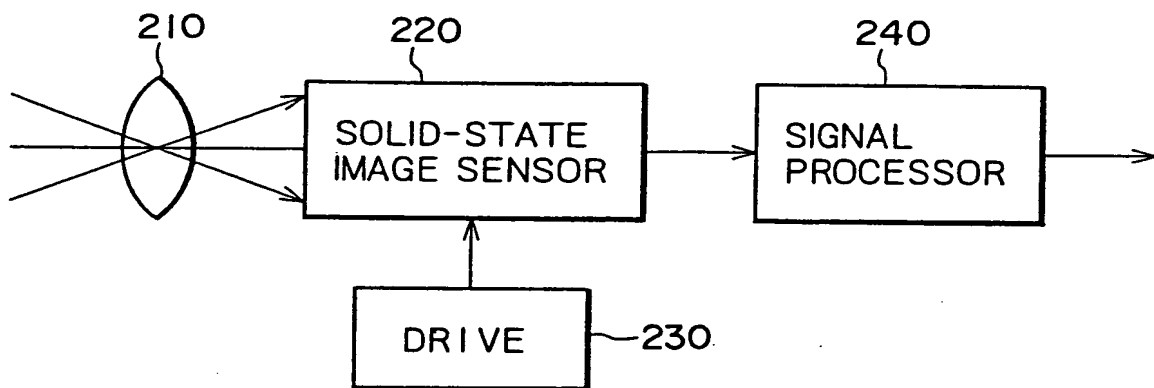


FIG. 14 (RELATED ART)

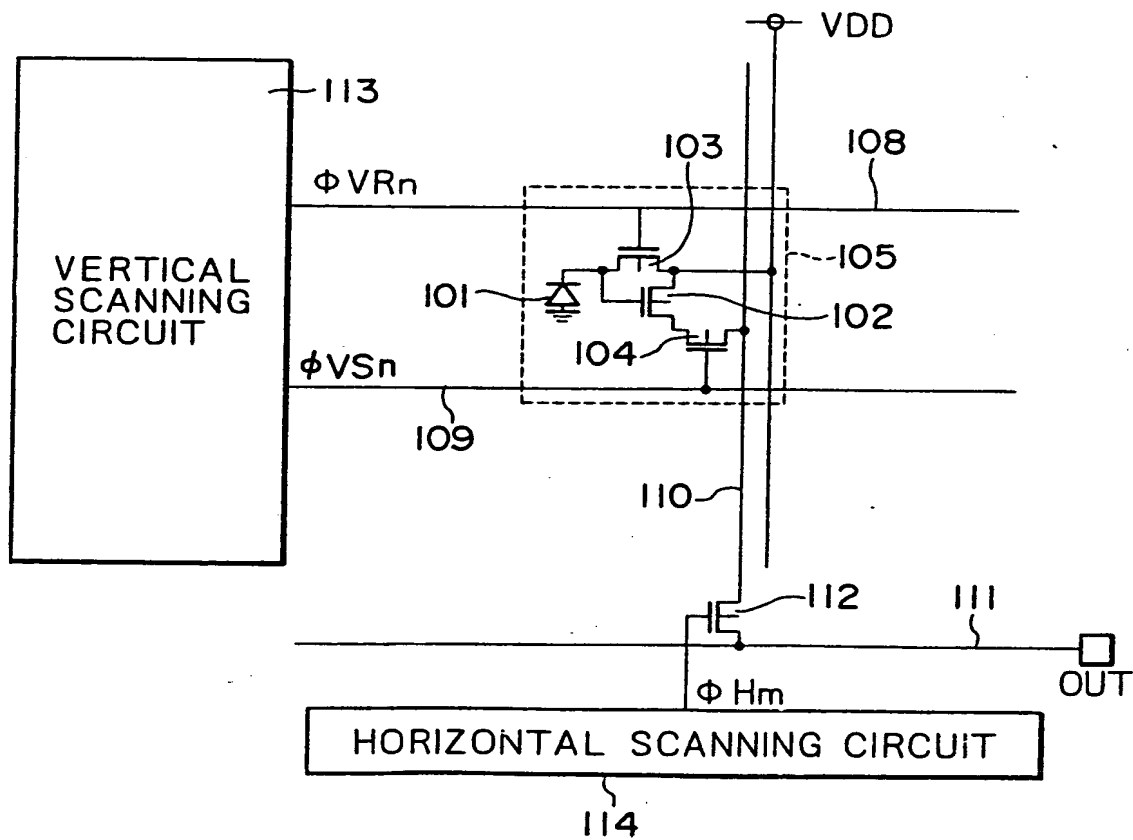


FIG. 15

